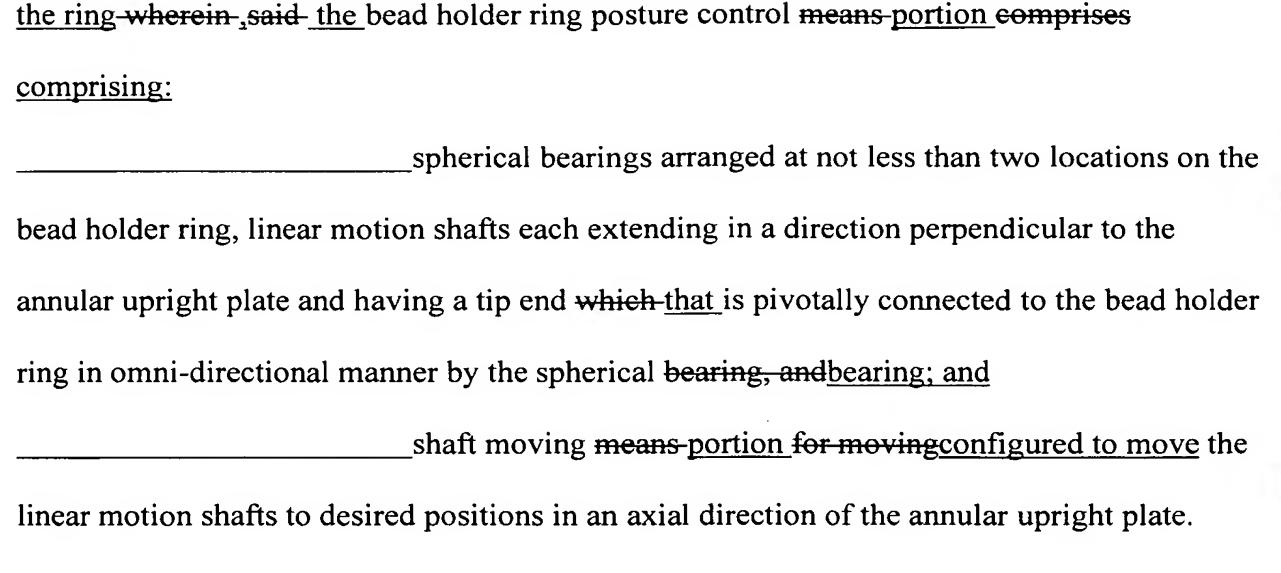
Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A tire molding machine comprising comprising:
a pair of bead core supporting devices for supportingconfigured to support
respective bead rings arranged on a radially outer side of a carcass band and axially spaced by
a predetermined distance from each other; and
a molding drum including a bead lock section for section configured to radially
expanding expand those portions of the carcass band, which that are situated on a radially
inner side of the bead cores so as to urge the carcass band against the bead cores, said tire
molding machine being so designed that at least one of the bead cores has having a center
axis with a controllable inclination angle, wherein:
at least one of said the bead core supporting devices, which that is capable of
holding configured to holdthe bead core to have a center axis with a controllable inclination
angle, the at least one of the bead cores, comprises comprises:
an annular upright plate, plate;
a bead holder ring secured to the annular upright plate; and
a bead holder ring posture control means for controlling portion
configured to control an inclination angle of a center axis of the bead holder ring relative to
the annular upright plate, within an angular range including zero degree, wherein said the
bead holder ring serves to hold is configured to hold the bead core in parallel with a surface of
the ring.ring, the bead holder ring posture control portion is configured to control the
inclination angle of the center axis of the bead holder ring in two different directions, the bead
holder ring posture control portion comprising:

spherical bearings arranged at not less than two locations on the		
bead holder ring, linear motion shafts each extending in a direction perpendicular to the		
annular upright plate and having a tip end that is pivotally connected to the bead holder ring		
in omni-directional manner by the spherical bearing; and		
shaft moving portion configured to move the linear motion		
shafts to desired positions in an axial direction of the annular upright plate.		
2. (Canceled)	
3. (Canceled)	
4. (Currently Amended) The tire molding machine according to Claim 1, A tire	
molding machine comprising:		
a	pair of bead core supporting devices configured to support respective bead	
rings arranged on a radially outer side of a carcass band and axially spaced by a		
predetermined distance from each other; and		
a	molding drum including a bead lock section configured to radially expand	
those portions of the carcass band that are situated on a radially inner side of the bead cores so		
as to urge the carcass band against the bead cores, at least one of the bead cores having a		
center axis with a controllable inclination angle, wherein:		
at least one of the bead core supporting devices, that is configured to hold the		
at least one of the bead cores, comprises:		
an annular upright plate;		
	a bead holder ring secured to the annular upright plate; and	
	a bead holder ring posture control portion configured to control an	
inclination angle of a center axis of the bead holder ring relative to the annular upright plate,		
wherein the bead holder ring is configured to hold the bead core in parallel with a surface of		



- 5. (Currently Amended) The tire molding machine according to Claim 4, wherein said-the linear motion shaft comprises a ball screw rod engaged with a female screw in the annular upright plate, said-the shaft moving means-portion comprises a servomotor with a reduction meansportion, for rotating configured to rotate the ball screw rod directly or indirectly through a gear mechanism, and said-the annular upright plate is axially slidably provided with a ball spline or a support shaft, said-the ball spline or support shaft having a tip end which-that is pivotally connected to the bead holder ring in omni-directional manner, by a spherical bearing provided on the bead holder ring.
- 6. (Currently Amended) The tire molding machine according to Claim 1, wherein said the bead core supporting device is movable in an axial the axial direction of the molding drum.
 - 7. (Canceled)
- 8. (Currently Amended) The tire molding machine according to Claim 3, A tire molding machine comprising:

 a pair of bead core supporting devices configured to support respective bead rings arranged on a radially outer side of a carcass band and axially spaced by a predetermined distance from each other; and

a molding drum including a bead lock section configured to radially expand		
those portions of the carcass band that are situated on a radially inner side of the bead cores so		
as to urge the carcass band against the bead cores, at least one of the bead cores having a		
center axis with a controllable inclination angle, wherein:		
at least one of the bead core supporting devices, that is configured to hold the		
at least one of the bead cores, comprises:		
an annular upright plate;		
a bead holder ring secured to the annular upright plate; and		
a bead holder ring posture control portion configured to control an		
inclination angle of a center axis of the bead holder ring relative to the annular upright plate,		
wherein the bead holder ring is configured to hold the bead core in parallel with a surface of		
the ring, both of the bead core supporting devices comprise respective bead holder ring		
posture control portion, the bead holder ring posture control portion each configured to		
control the inclination angle of the center axis of the bead holder ring in a single direction, the		
angular control directions being different from each other among the respective bead core		
holder ringswherein, said the bead holder ring posture control means portion comprises		
comprising:		
spherical bearings arranged at not less than two locations on the		
bead holder ring, linear motion shafts each extending in a direction perpendicular to the		
annular upright plate and having a tip end which that is pivotally connected to the bead holder		
ring in omni-directional manner by the spherical bearing, and; and		
shaft moving means portion for moving configured to move the		
linear motion shafts to desired positions in an axial direction of the annular upright plate.		

9. (Currently Amended) The tire molding machine according to Claim 7Claim 1, wherein said-the linear motion shaft comprises a ball screw rod engaged with a female screw

in the annular upright plate, said that shaft moving means portion comprises a servomotor with a reduction means, for rotatingportion configured to rotate the ball screw rod directly or indirectly through a gear mechanism, and said the annular upright plate is axially slidably provided with a ball spline or a support shaft, said the ball spline or support shaft having a tip end which that is pivotally connected to the bead holder ring in omni-directional manner, by a spherical bearing provided on the bead holder ring.

- 10. (Currently Amended) The tire molding machine according to Claim 8, wherein said-the linear motion shaft comprises a ball screw rod engaged with a female screw in the annular upright plate, said-the shaft moving means-portion comprises a servomotor with a reduction means, forportion configured to rotating rotate the ball screw rod directly or indirectly through a gear mechanism, and said-the annular upright plate is axially slidably provided with a ball spline or a support shaft, said-the ball spline or support shaft having a tip end which-that is pivotally connected to the bead holder ring in omni-directional manner, by a spherical bearing provided on the bead holder ring.
- 11. (Currently Amended) The tire molding machine according to Claim 2 Claim 1, wherein said the bead core supporting device is movable in an axial the axial direction of the molding drum.
- 12. (Currently Amended) The tire molding machine according to Claim 3Claim 8, wherein said the bead core supporting device is movable configured to move in an axial the axial direction of the molding drum.
- 13. (Currently Amended) The tire molding machine according to Claim 4, wherein said the bead core supporting device is movable configured to move in an axial the axial direction of the molding drum.

- 14. (Currently Amended) The tire molding machine according to Claim 5, wherein said the bead core supporting device is movable configured to move in an axial the axial direction of the molding drum.
- 15. (Currently Amended) The tire molding machine according to Claim 7Claim 1, wherein said the bead core supporting device is movable in an axial the axial direction of the molding drum.
- 16. (Currently Amended) The tire molding machine according to Claim 8, wherein said-the bead core supporting device is movable in an axial the axial direction of the molding drum.
- 17. (Currently Amended) The tire molding machine according to Claim 9, wherein said the bead core supporting device is movable in an axial the axial direction of the molding drum.
- 18. (Currently Amended) The tire molding machine according to Claim 10, wherein said the bead core supporting device is movable in an axial the axial direction of the molding drum.